

Claims

What is claimed is:

- 1 1. A clinical analyzer system for implementing data management
2 to aid analysis and treatment comprising:
3 a biosensor for receiving and processing a user sample, said
4 biosensor including memory means for storing a plurality of patient records
5 including predefined parameter data values;
6 a processor device coupled to said biosensor for receiving and
7 processing said plurality of patient records, and generating a report; and
8 a fax driver coupled to said processor device for sending said
9 generated report via a telephone network to a predefined fax machine at a
10 physician's office receiving said generating report.
- 1 2. A clinical analyzer system as recited in claim 1 wherein said
2 processor device includes a handheld computer device.
- 1 3. A clinical analyzer system as recited in claim 2 wherein said
2 handheld computer device includes a handheld personal data assistant.
- 1 4. A clinical analyzer system as recited in claim 1 wherein said
2 processor device includes a server computer.
- 1 5. A clinical analyzer system as recited in claim 4 wherein said
2 server computer includes an Internet server computer.
- 1 6. A clinical analyzer system as recited in claim 4 includes a
2 handheld computer device coupled to said biosensor receiving patient
3 records; and said handheld computer device coupled to said server
4 computer for transferring a set of patient records to said server computer.
- 1 7. A clinical analyzer system as recited in claim 6 wherein said
2 handheld computer device is coupled to said server computer via an Internet
3 network connection.

1 8. A clinical analyzer system as recited in claim 1 wherein said
2 processor device includes automated intelligent diabetes data interpretation
3 (IDDI) processing software for generating a predefined IDDI report.

1 9. A clinical analyzer system as recited in claim 1 wherein said
2 processor device includes a handheld cell phone with personal data
3 assistant (PDA) functions.

1 10. A method for implementing data management to aid analysis
2 and treatment comprising the steps of:
3 providing a biosensor for receiving a user sample and for performing
4 a predefined test sequence for measuring a predefined parameter value;
5 storing patient records including said predefined parameter values in
6 said biosensor, and
7 transferring stored data records from said biosensor to a computer
8 device; said computer device performing the steps of:
9 processing said patient records and generating a report; and
10 sending said generated report via a telephone network to a
11 predefined fax machine at a physician's office.

1 11. A method for implementing data management as recited in
2 claim 10 wherein the step of transferring stored data records from said
3 biosensor to a computer device includes the steps of downloading stored
4 data records from said biosensor to a handheld computer device; and said
5 handheld computer device performing the steps of processing said patient
6 records and generating said report; and sending said generated report via
7 said telephone network to said predefined fax machine at a physician's
8 office.

1 12. A method for implementing data management as recited in
2 claim 10 wherein the step of transferring stored data records from said
3 biosensor to a computer device includes the steps of downloading stored
4 data records from said biosensor to a handheld computer device; said
5 handheld computer device further performing the steps of transferring said
6 data records to a server computer.

1 13. A method for implementing data management as recited in
2 claim 12 wherein the step of transferring said data records to a server
3 computer includes the step of transferring said data records via an Internet
4 network to said server computer.

1 14. A method for implementing data management as recited in
2 claim 10 wherein the steps of processing said patient records and
3 generating said report includes the steps of automated intelligent diabetes
4 data interpretation (IDDI) processing said data records for generating a
5 predefined IDDI report.